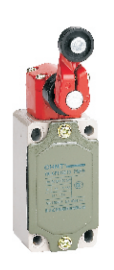
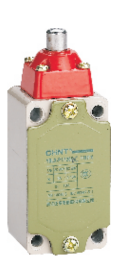
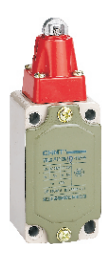
YBLX–P1系列行程开关







1 适用范围

YBLX–P1系列行程开关适用于交流50～60Hz，Ue380VIe5A直流Ue220VIe0.15A及以下的电气线路中，作运动机构的行程控制、运动方向或速度的变换、机床的自动控制、运动机构的限位动作及控制行程或程序之用。

符合标准：GB 14048.5、IEC 60947–5–1，获CCC国家强制性产品认证。

2 型号及含义

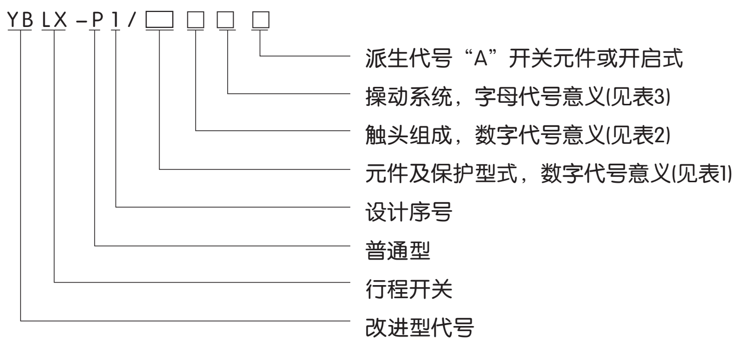


表 1

100	两极防护式行程开关(宽型)
120	两极防护式行程开关(窄型)
303	三极防护式行程开关(宽型)
404	四极防护式行程开关(宽型)

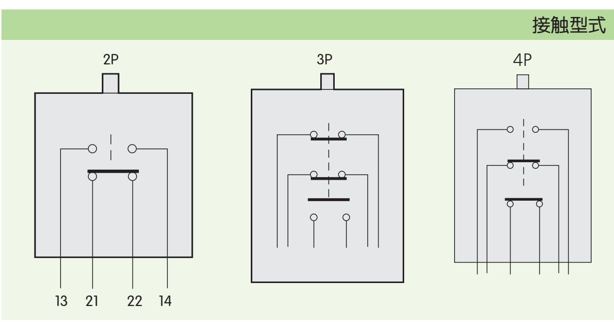


表2

两极开关元件	三极开关元件	四极开关元件
一对快速动作触头一常开一常闭	一般触头二常闭一常开	2个快速开关元件

表3

型号(推荐采用)	操作方式	替代型号(停止使用)		
YBLX–P1/120/1B	直动	YBLX–P1/120/0B		
YBLX–P1/120/1C	直动，有缓冲	YBLX–P1/120/0C		
YBLX–P1/120/1D	直动，单滚轮	YBLX–P1/120/0D		
YBLX–P1/120/1E	直动，单滚轮、有缓冲	YBLX–P1/120/0E		
YBLX–P1/120/1F	角杠杆、单滚轮	YBLX–P1/120/0F		
YBLX–P1/120/1G	转臂角度可调、单滚轮	YBLX–P1/120/1H YBLX–P1/120/0H YBLX–P1/120/0G	YBLX–P1/120/1J YBLX–P1/120/0J	YBLX–P1/120/1K YBLX–P1/120/0K
YBLX–P1/120/1P	铁杠长度可调、有阻尼	YBLX–P1/120/1V YBLX–P1/120/0V YBLX–P1/120/0P	YBLX–P1/120/1W YBLX–P1/120/0W	YBLX–P1/120/1Q YBLX–P1/120/0Q
YBLX–P1/120/1R	万向型	YBLX–P1/120/0R		
YBLX–P1/120/1T	叉杠、双轮不自动复位	YBLX–P1/120/0T		
YBLX–P1/120/1U	单杠长度可调、单滚轮	YBLX–P1/120/0U	YBLX–P1/120/0N	YBLX–P1/120/0N
YBLX–P1/100/1B	直动	YBLX–P1/100/0B		
YBLX–P1/100/1C	直动，有缓冲	YBLX–P1/100/0C		
YBLX–P1/100/1D	直动，单滚轮	YBLX–P1/100/0D		
YBLX–P1/100/1E	直动，单滚轮、有缓冲	YBLX–P1/100/0E		
YBLX–P1/100/1F	角杠杆、单滚轮	YBLX–P1/100/0F		
YBLX–P1/100/1G	转臂角度可调、单滚轮	YBLX–P1/100/1H YBLX–P1/100/0H YBLX–P1/100/0G	YBLX–P1/100/1J YBLX–P1/100/0J	YBLX–P1/100/1K YBLX–P1/100/0K

续表3

型号(推荐采用)	操作方式	替代型号(停止使用)		
YBLX–P1/100/1P	铁杠长度可调、有阻尼	YBLX–P1/100/1V YBLX–P1/100/0V YBLX–P1/100/0P	YBLX–P1/100/1W YBLX–P1/100/0W	YBLX–P1/100/1Q YBLX–P1/100/0Q
YBLX–P1/100/1R	万向型	YBLX–P1/100/0R		
YBLX–P1/100/1T	叉杠、双轮不自动复位	YBLX–P1/100/0T		
YBLX–P1/100/1U	单杠长度可调、单滚轮	YBLX–P1/100/0U	YBLX–P1/100/0N	YBLX–P1/100/0N
YBLX–P1/303/1B	直动	YBLX–P1/303/0B		
YBLX–P1/303/1C	直动，有缓冲	YBLX–P1/303/0C		
YBLX–P1/303/1D	直动，单滚轮	YBLX–P1/303/0D		
YBLX–P1/303/1E	直动，单滚轮、有缓冲	YBLX–P1/303/0E		
YBLX–P1/303/1F	角杠杆、单滚轮	YBLX–P1/303/0F		
YBLX–P1/303/1G	转臂角度可调、单滚轮	YBLX–P1/303/1H YBLX–P1/303/0H YBLX–P1/303/0G	YBLX–P1/303/1J YBLX–P1/303/0J	YBLX–P1/303/1K YBLX–P1/303/0K
YBLX–P1/303/1P	铁杠长度可调、有阻尼	YBLX–P1/303/1V YBLX–P1/303/0V YBLX–P1/303/0P	YBLX–P1/303/1W YBLX–P1/303/0W	YBLX–P1/303/1Q YBLX–P1/303/0Q
YBLX–P1/303/1R	万向型	YBLX–P1/303/0R		
YBLX–P1/303/1T	叉杠、双轮不自动复位	YBLX–P1/303/0T		
YBLX–P1/303/1U	单杠长度可调、单滚轮	YBLX–P1/303/0U		
YBLX–P1/404/1B	直动	YBLX–P1/404/0B		
YBLX–P1/404/1C	直动，有缓冲	YBLX–P1/404/0C		
YBLX–P1/404/1D	直动，单滚轮	YBLX–P1/404/0D		
YBLX–P1/404/1E	直动，单滚轮、有缓冲	YBLX–P1/404/0E		
YBLX–P1/404/1F	角杠杆、单滚轮	YBLX–P1/404/0F		
YBLX–P1/404/1G	转臂角度可调、单滚轮	YBLX–P1/404/1H YBLX–P1/404/0H YBLX–P1/404/0G	YBLX–P1/404/1J YBLX–P1/404/0J	YBLX–P1/404/1K YBLX–P1/404/0K
YBLX–P1/404/1P	铁杠长度可调、有阻尼	YBLX–P1/404/1V YBLX–P1/404/0V YBLX–P1/404/0P	YBLX–P1/404/1W YBLX–P1/404/0W	YBLX–P1/404/1Q YBLX–P1/404/0Q
YBLX–P1/404/1R	万向型	YBLX–P1/404/0R		
YBLX–P1/404/1T	叉杠、双轮不自动复位	YBLX–P1/404/0T		
YBLX–P1/404/1U	单杠长度可调、单滚轮	YBLX–P1/404/0U		

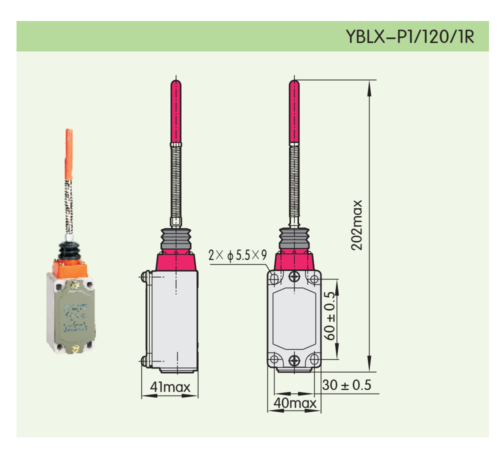
3 主要参数及技术性能

表4

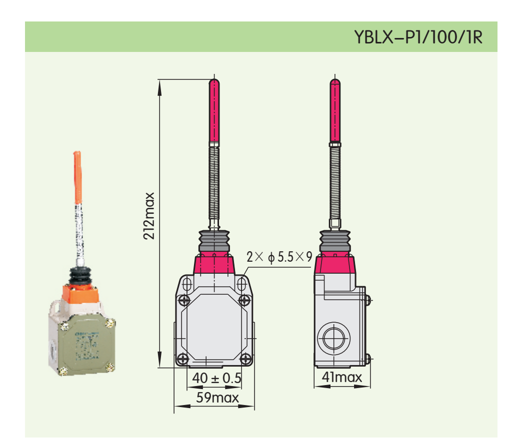
额定工作电压	AC 380V　DC220V
额定控制电流	AC 5A　DC0.15A
约定发热电流	10A
防护等级	IP52
机械寿命	60×10^4次
电气寿命	30×10^4次
环境温度	–5℃~+40℃
相对湿度	≤95%
海拔高度	≤2000m
应用范围	机床机械的自动控制、限制运动、传动机构动作或程序控制

4 外形及安装尺寸

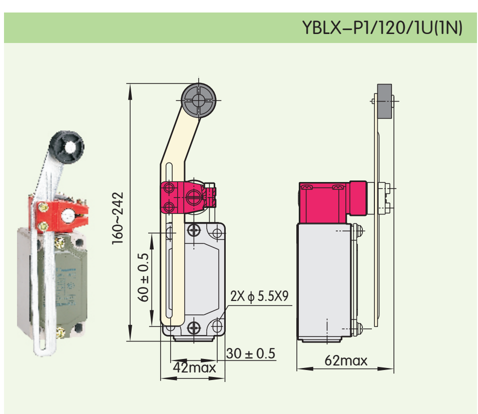
YBLX–P1/120/1R



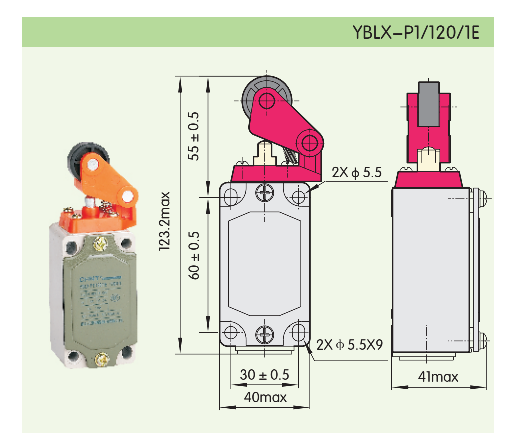
YBLX–P1/100/1R



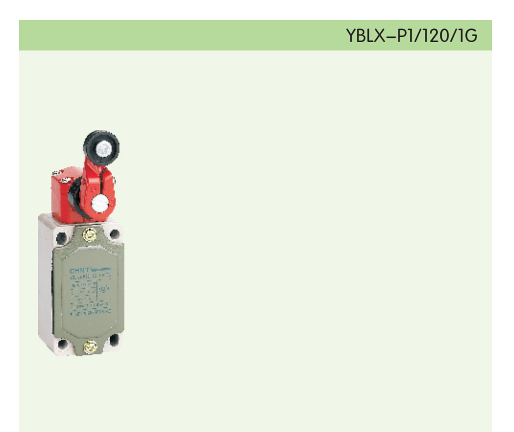
YBLX–P1/120/1U(1N)



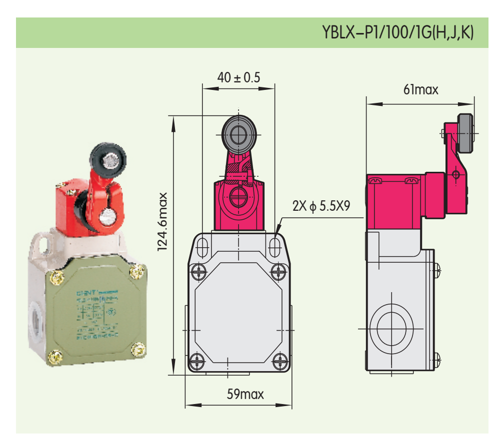
YBLX–P1/120/1E



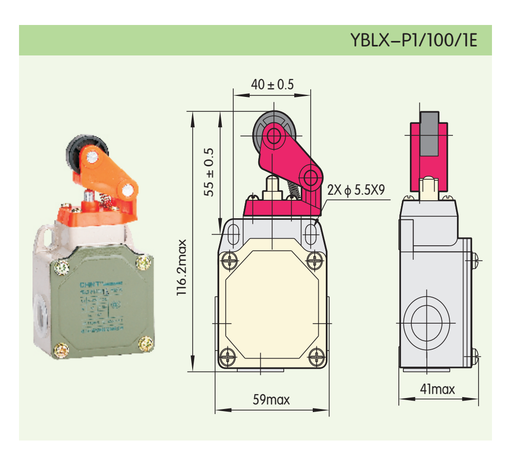
YBLX–P1/120/1G



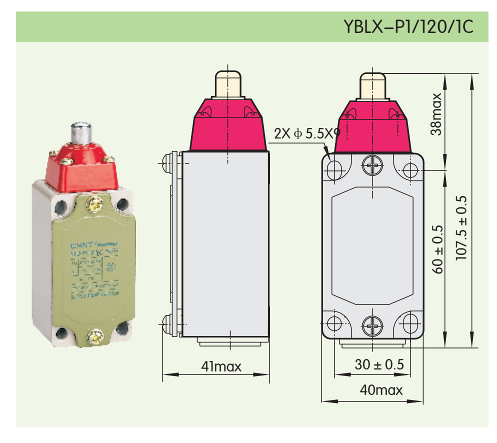
YBLX–P1/100/1G(H,J,K)

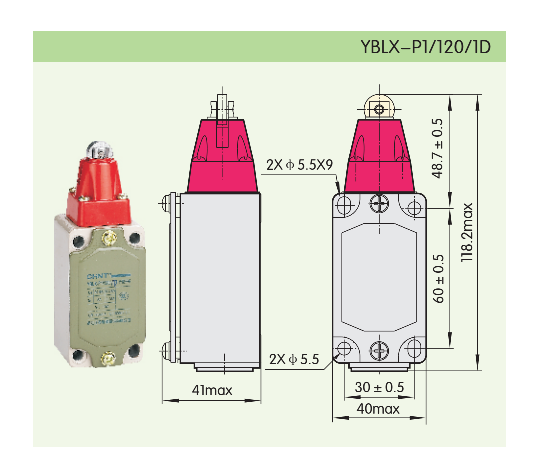


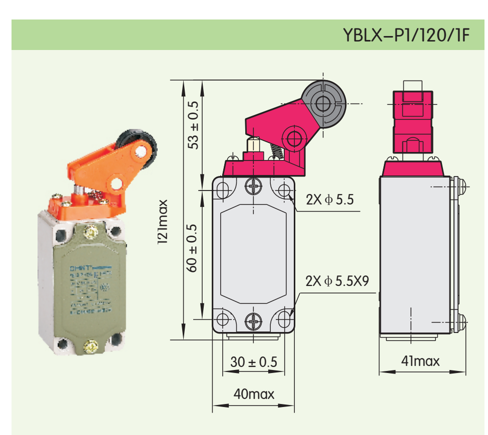
YBLX–P1/100/1E



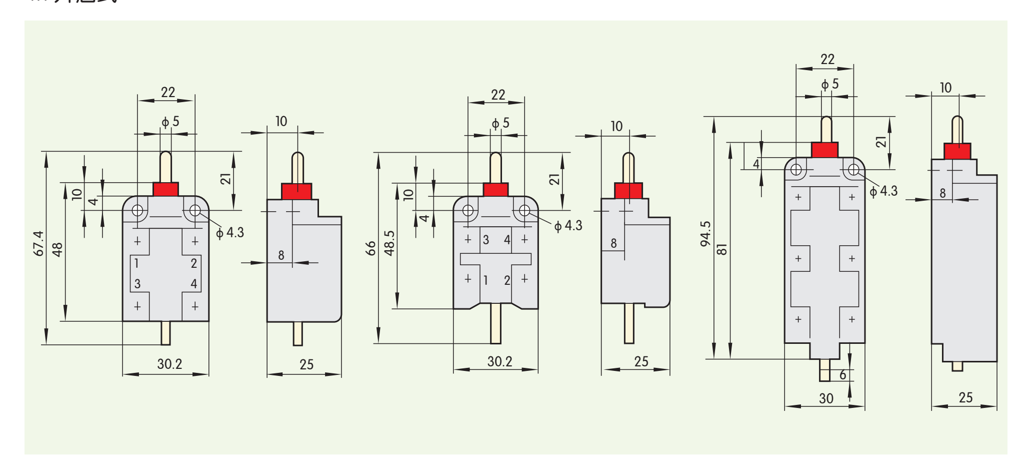
YBLX–P1/120/1C



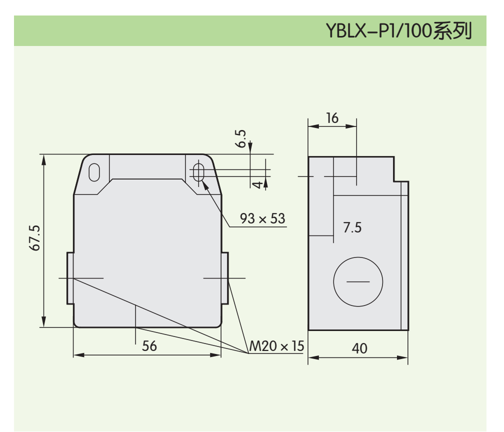


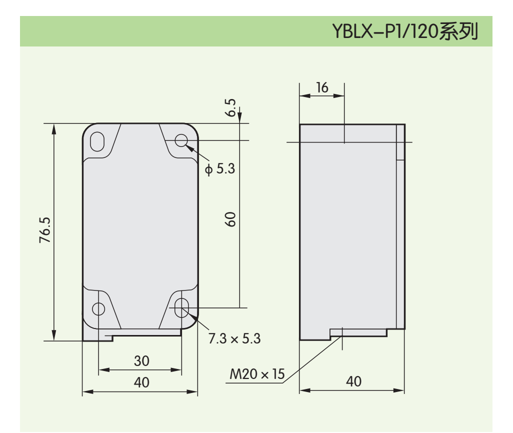


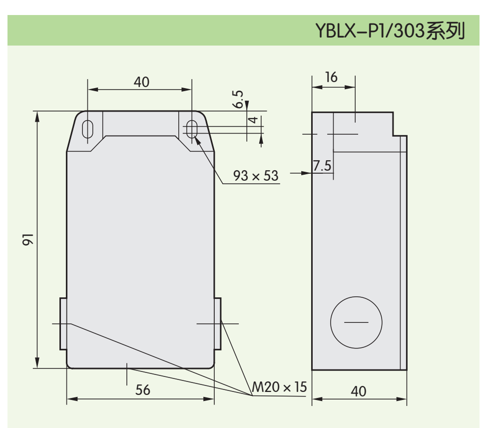
4.1 开启式

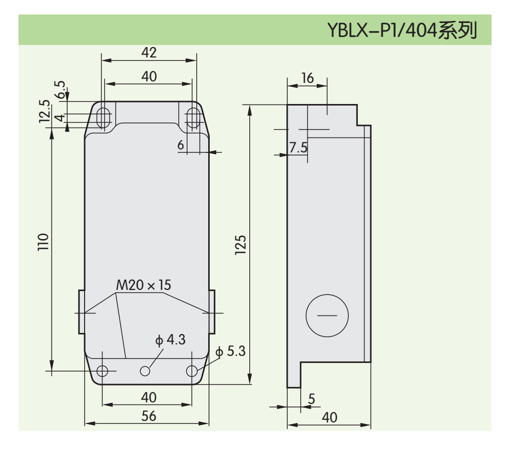


4.2 防护外壳









4.3 驱动头型式及数据

类型 B

YBLX–P1/100/B
YBLX–P1/120/B
YBLX–P1/303/B
YBLX–P1/404/B

α max=30°
β max=30°
V max=0.5m/s
U max=1.5m/s

类型 C

YBLX–P1/100/C
YBLX–P1/120/C
YBLX–P1/303/C
YBLX–P1/404/C

α max=30°
β max=30°
V max=0.5m/s
U max=1.5m/s

类型 D

YBLX–P1/100/D
YBLX–P1/120/D
YBLX–P1/303/D
YBLX–P1/404/D

α max=30°
β max=30°
V max=1.0m/s
U max=1.5m/s

类型 E

YBLX–P1/100/E
YBLX–P1/120/E
YBLX–P1/303/E
YBLX–P1/404/E

α max=30°
V max=1.0m/s
Y max=45°
β max=45° 时
V max=2.5m/s
U max=1.5m/s

类型 F

YBLX–P1/100/F
YBLX–P1/120/F
YBLX–P1/303/F
YBLX–P1/404/F

α max=30°
V max=1.0m/s
Y max=45°
β max=45°
V max=2.5m/s

类型 G、H、J、K

YBLX–P1/100/G,J,H,K,
YBLX–P1/120/G,J,H,K,
YBLX–P1/303/G,J,H,K,
YBLX–P1/404/G,J,H,K,

α max=30°
β max=30°
V max=3.0m/s

类型 R

操动范围 13°
可靠工作的最小角度
13° 额定工作角度

YBLX–P1/100/R
YBLX–P1/120/R
YBLX–P1/303/R

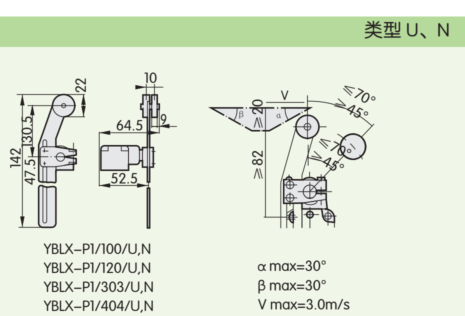
V max=1m/s

类型 T

YBLX–P1/100/T
YBLX–P1/120/T
YBLX–P1/303/T

V max=3m/s

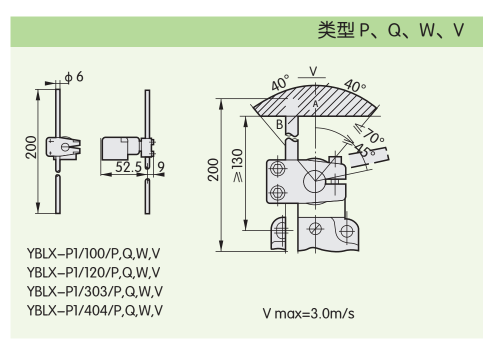
类型 U、N



YBLX–P1/100/U,N
YBLX–P1/120/U,N
YBLX–P1/303/U,N
YBLX–P1/404/U,N

α max=30°
β max=30°
V max=3.0m/s

类型 P、Q、W、V



YBLX–P1/100/P,Q,W,V
YBLX–P1/120/P,Q,W,V
YBLX–P1/303/P,Q,W,V
YBLX–P1/404/P,Q,W,V

V max=3.0m/s

5 订货须知

用户在订货时须说明开关的型号、名称和数量。例如：YBLX–P1/120/1C 行程开关 100只。